

10630740
STN Search

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(FILE 'HOME' ENTERED AT 14:35:05 ON 27 MAR 2006)

FILE 'REGISTRY' ENTERED AT 14:35:26 ON 27 MAR 2006

L1 0 S (##LYSINE OR ##LYS)
L2 108434 S LYSINE
L3 97262 S L-LYSINE
L4 322 S L3 AND AMINO ACID
L5 0 S HYDROXYDIAMINOPIMELIC
L6 0 S ?HYDORXYDIAMINOPIMELIC?
L7 273 S DAPA
L8 125 S CITE
L9 359 S DIHYDRODIPICOLINATE SYNTHASE — 853964-89-3 /RN
L10 0 S L9 AND CORYNEFORM
L11 6 S L9 AND (CORYNE? OR CORYNEBACTER? OR BREVIBAC?)
L12 0 S HYDROXYDIAMINOPIMELIC
L13 0 S OXODIAMINOPIMELIC
L14 0 S ?OXODIAMINOPIMELIC ACID
L15 1 S TRIAMINOPIMELIC ACID — 48065-37-8 /RN 2,4,6-Triaminopimelic acid
L16 0 S FLUORODIAMINOPIMELIC

FILE 'CAPLUS' ENTERED AT 14:47:03 ON 27 MAR 2006

L17 15280 S (CORYMEFORM? OR CORYNEBACTER? OR BREVIBACTER?)
L18 102096 S LYSINE
L19 2088 S DIAMINOPIMELIC ACID

FILE 'REGISTRY' ENTERED AT 14:48:58 ON 27 MAR 2006

L20 48 S DIAMINOPIMELIC

FILE 'CAPLUS' ENTERED AT 14:49:52 ON 27 MAR 2006

L21 1370 S L20
L22 8 S L15
L23 54 S L17 AND L18 AND L19
L24 33 S L23 AND L21
L25 21 S L24 AND (PROD? OR PROCESS)

=> d L25 1-21

L25 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1332754 CAPLUS
DN 144:190664
TI Amplified expression of fructose 1,6-bisphosphatase in Corynebacterium glutamicum increases in vivo flux through the pentose phosphate pathway and lysine production on different carbon sources
AU Becker, Judith; Klopprogge, Corinna; Zelder, Oskar; Heinzle, Elmar; Wittmann, Christoph
CS Biochemical Engineering, Saarland University, Saarland, Germany
SO Applied and Environmental Microbiology (2005) 71(12), 8587-8596
CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1121437 CAPLUS

DN 142:215001

TI Metabolic fluxes in Corynebacterium glutamicum during

lysine production with sucrose as carbon source
 AU Wittmann, Christoph; Kiefer, Patrick; Zelder, Oskar
 CS Biochemical Engineering, Saarland University, Saarbruecken, Germany
 SO Applied and Environmental Microbiology (2004) 70(12), 7277-7287
 CODEN: AEMIDF; ISSN: 0099-2240
 PB American Society for Microbiology
 DT Journal
 LA English
 RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:120993 CAPLUS
 DN 140:162440
 TI Production of L-lysine using Corynebacterium glutamicum mutants resistant to diaminopimelic acid analogs
 IN Bathe, Brigitte; Hans, Stephan; Pfefferle, Walter
 PA Degussa AG, Germany
 SO PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004013341	A1	20040212	WO 2003-EP7474	20030710
	DE 10235028	A1	20040219	DE 2002-10235028	20020731
	AU 2003244081	A1	20040223	AU 2003-244081	20030710
	EP 1525321	A1	20050427	EP 2003-766147	20030710
	CN 1671854	A	20050921	CN 2003-818087	20030710
	US 2004067562	A1	20040408	US 2003-630740	20030731
PRAI	DE 2002-10235028	A	20020731		
	US 2002-401751P	P	20020808		
	WO 2003-EP7474	W	20030710		

L25 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:120992 CAPLUS
 DN 140:162439
 TI Prodn. of L-lysine using Corynebacterium glutamicum mutants sensitive to diaminopimelic acid analogs
 IN Bathe, Brigitte; Reynen, Caroline; Pfefferle, Walter
 PA Degussa AG, Germany
 SO PCT Int. Appl., 22 pp.
 CODEN: PIXXD2

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004013340	A2	20040212	WO 2003-EP7475	20030710
	WO 2004013340	A3	20040325		
	DE 10235029	A1	20040219	DE 2002-10235029	20020731
	AU 2003250933	A1	20040223	AU 2003-250933	20030710
	EP 1525322	A2	20050427	EP 2003-766148	20030710
	CN 1671853	A	20050921	CN 2003-818086	20030710
	US 2004067561	A1	20040408	US 2003-629551	20030730
PRAI	DE 2002-10235029	A	20020731		
	US 2002-401752P	P	20020808		
	WO 2003-EP7475	W	20030710		

instant
Application

Same Application
1 day earlier

↑ other

- L25 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1994:157523 CAPLUS
DN 120:157523
TI Cloning and expression of gene for diaminopimelic acid
dehydrogenase of Brevibacterium flavum
IN Kobayashi, Miki; Kohama, Keiko; Kurusu, Yasuro; Yugawa, Hideaki
PA Mitsubishi Petrochemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1
- | | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | JP 05284970 | A2 | 19931102 | JP 1992-85167 | 19920407 |
| PRAI | JP 1992-85167 | | | 19920407 | |
- L25 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1993:467691 CAPLUS
DN 119:67691
TI Flux partitioning in the split pathway of lysine synthesis in
Corynebacterium glutamicum. Quantification by carbon-13 and proton
NMR spectroscopy
AU Sonntag, Kirsten; Eggeling, Lothar; De Graaf, Albert A.; Sahm, Hermann
CS Inst. Biotechnol., Forschungszent Juelich, Juelich, W-5170, Germany
SO European Journal of Biochemistry (1993) 213(3), 1325-31
CODEN: EJBCAI; ISSN: 0014-2956
DT Journal
LA English
- L25 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1991:22402 CAPLUS
DN 114:22402
TI Threonine production by dihydrodipicolinate synthase-defective
mutants of Brevibacterium flavum
AU Shioi, Isamu
CS Cent. Res. Lab., Ajinomoto Co., Inc., Kawasaki, 210, Japan
SO Biotechnology Advances (1990) 8(1), 97-103
CODEN: BIADDD; ISSN: 0734-9750
DT Journal
LA English
- L25 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1989:131936 CAPLUS
DN 110:131936
TI Threonine production by dihydrodipicolinate synthase-defective
mutants of Brevibacterium flavum
AU Shioi, Isamu; Yokota, Atsushi; Toride, Yasuhiko; Sugimoto, Shinichi
CS Cent. Res. Lab., Ajinomoto Co., Inc., Kawasaki, 210, Japan
SO Agricultural and Biological Chemistry (1989) 53(1), 41-8
CODEN: ABCHA6; ISSN: 0002-1369
DT Journal
LA English
- L25 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1985:559125 CAPLUS
DN 103:159125
TI L-Lysine production from culture of recombinant
microorganisms
PA Ajinomoto Co., Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60062994	A2	19850411	JP 1984-169897	19840816
	JP 06091829	B4	19941116		
PRAI	US 1983-525993	A	19830824		

L25 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:126634 CAPLUS

DN 102:126634

TI DNA fragment containing diaminopimelate decarboxylase gene

PA Ajinomoto Co., Inc.; Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59210887	A2	19841129	JP 1983-75560	19830428
	JP 04041996	B4	19920710		
PRAI	JP 1983-75560		19830428		

L25 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:422082 CAPLUS

DN 97:22082

TI Microbiological preparation of L-lysine

IN Sakse, A.; Ruklisa, M.; Viesturs, U.; Leite, M.; Klavina, S.; Svinka, J.; Bekers, M.; Selga, S.

PA Kirhensteins, A., Institute of Microbiology, USSR

SO Fr. Demande, 16 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2488273	A1	19820212	FR 1980-17480	19800807
	FR 2488273	B1	19840224		
PRAI	FR 1980-17480	A	19800807		

L25 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:512357 CAPLUS

DN 83:112357

TI L-.epsilon.-N-Acetyllysine by fermentation

IN Vandecasteele, Jean P.; Lapeyronnie, Michele; Lemal, Jeannine; Coudert, Michele

PA Institut Francais du Petrole, des Carburants et Lubrifiants, Fr.

SO Fr. Demande, 4 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2236936	A1	19750207	FR 1973-16741	19730509
	FR 2236936	B1	19760423		

PRAI FR 1973-16741

A 19730509

L25 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1975:407141 CAPLUS
DN 83:7141
TI Production of lysine derivatives by fermentation
IN Coudert, Michele; Vandecasteele, Jean P.
PA Institut Francais du Petrole, des Carburants et Lubrifiants, Fr.
SO Fr. Demande, 6 pp.
CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2228837	A1	19741206	FR 1973-16742	19730509
FR 2228837	B1	19760423		
PRAI FR 1973-16742	A	19730509		

L25 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:472819 CAPLUS
DN 75:72819
TI Use of .alpha.,.epsilon.-diaminopimelic acid by
lysine-producing microorganisms
AU Ozolins, P.
CS Inst. Mikrobiol. im. Kirchensteina, Riga, USSR
SO Poluch. Primen. Aminokislot, Mater. Vses. Soveshch. (1970), Meeting Date
1968, 71-5. Editor(s): Kukain, R. A. Publisher: "Zinatne", Riga, Latv.
SSR.
CODEN: 23OZAS
DT Conference
LA Russian

L25 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:430500 CAPLUS
DN 75:30500
TI Allosteric properties of meso-.alpha.,.epsilon.-diaminopimelic
acid decarboxylase in a lysine-accumulating strain of
Brevibacterium 22
AU Kagan, Z. S.; Ignat'eva, L. I.
CS Vses. Nauchno-Issled. Vizam. Inst., Moscow, USSR
SO Doklady Akademii Nauk SSSR (1971), 197(5), 1196-9 [Biochem]
CODEN: DANKAS; ISSN: 0002-3264
DT Journal
LA Russian

L25 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:403957 CAPLUS
DN 75:3957
TI Procedure of decarboxylating diaminopimelic acid to
produce L-lysine
AU Safonova, N. V.; Volkova, M. V.; Kotova, G. A.; Gololobov, A. D.
CS All-Union Res. Inst. Biosynth. Protein Substances, Moscow, USSR
SO Prikladnaya Biokhimiya i Mikrobiologiya (1971), 7(2), 145-9
CODEN: PBMIAK; ISSN: 0555-1099
DT Journal
LA Russian

L25 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:39601 CAPLUS
DN 74:39601

TI Production of .alpha.,.epsilon. diaminopimelic acid by lysine auxotrophs of various bacteria
AU Kase, Hiroshi; Nakayama, Kiyoshi
CS Tokyo Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan
SO Nippon Nogei Kagaku Kaishi (1970), 44(10), 457-62
CODEN: NNKKA; ISSN: 0002-1407
DT Journal
LA Japanese

L25 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:11410 CAPLUS

DN 72:11410

TI Production of diaminopimelic acid

PA Kyowa Fermentation Industry Co., Ltd.

SO Fr., 4 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1556992		19690214	FR	19670825
	JP 44014791		19690000	JP	
	US 3719561		19730306	US	19680807
PRAI	JP		19660826		

L25 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1969:469317 CAPLUS

DN 71:69317

TI Formation of lysine from .alpha..delta.-diaminopimelic acid by a culture of *Brevibacterium* 22

AU Ozolins, R.; Roze, I.

CS USSR

SO Aminokislotsy Mikrobnogo Sint. (1968), 67-74. Editor(s): Bekers, M.
Publisher: Izd. "Zinatne", Riga, USSR.

CODEN: 21DBAN

DT Conference

LA Russian

L25 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1969:95458 CAPLUS

DN 70:95458

TI Diaminopimelic acid by bacterial fermentation

PA Kyowa Fermentation Industry Co., Ltd.

SO Fr., 3 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1514016		19680216	FR 1967-98560	19670313
PRAI	JP		19660314		

L25 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1956:16547 CAPLUS

DN 50:16547

OREF 50:3508a-e

TI Stereoisomers of .alpha.,.epsilon.-diaminopimelic acid : their distribution in nature and behavior towards certain enzyme preparations

AU Hoare, D. S.; Work, Elizabeth
CS Univ. Coll. Hosp. Med. School, London, UK
SO Biochemical Journal (1955), 61, 562-8
CODEN: BJJOAK; ISSN: 0264-6021
DT Journal
LA English